

10/506,961

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	120	(556/145).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/12 12:02
L2	177	(556/144).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/12 12:05
L3	350	(516/102).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/12 12:05

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(FILE 'HOME' ENTERED AT 11:29:52 ON 12 DEC 2005)

FILE 'REGISTRY' ENTERED AT 11:30:04 ON 12 DEC 2005

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

Structure diagram not available for display

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 11:30:27 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 9 TO 360

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 11:30:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 205 TO ITERATE

100.0% PROCESSED 205 ITERATIONS 6 ANSWERS

SEARCH TIME: 00.00.01

L3 6 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

161.33

161.54

FILE 'CAPLUS' ENTERED AT 11:30:37 ON 12 DEC 2005

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FILE COVERS 1907 - 12 Dec 2005 VOL 143 ISS 25

FILE LAST UPDATED: 11 Dec 2005 (20051211/ED)

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=> s l3

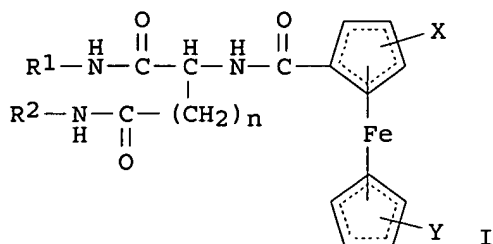
L4 2 L3

=> d 1-2 bib abs

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2005:760235 CAPLUS  
DN 143:367673  
TI Glutamic Acid Dendrimers Attached to a Central Ferrocene Core: Synthesis and Properties  
AU Appoh, Francis E.; Thomas, Donald S.; Kraatz, Heinz-Bernhard  
CS Department of Chemistry, University of Saskatchewan, Saskatoon, SK, S7N 5C9, Can.  
SO Macromolecules (2005), 38(18), 7562-7570  
CODEN: MAMOBX; ISSN: 0024-9297  
PB American Chemical Society  
DT Journal  
LA English  
AB The first synthesis of a series of glutamic acid based dendrimers having a central ferrocene core is described. The materials were fully characterized spectroscopically and display strong intramol. H-bonding. This H-bonding can be disrupted with DMSO. The redox properties of the core are attenuated by the increase in the peptide dendritic sphere. But even at generation 6, there is communication between the exterior and the redox core.  
RE.CNT 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2003:719497 CAPLUS  
DN 139:246211  
TI Preparation of gelling organic compounds having ferrocene groups and gels and cast films made by using the same  
IN Kimizuka, Nobuo; Matsumoto, Noriyuki; Kagawa, Kazuhiro; Yokobayashi, Hiroshi  
PA Honda Giken Kogyo Kabushiki Kaisha, Japan  
SO PCT Int. Appl., 33 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2003074540	A1	20030912	WO 2003-JP2505	20030304
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	JP 2003261586	A2	20030919	JP 2002-62034	20020307
	US 2005222277	A1	20051006	US 2005-506961	20050322
PRAI	JP 2002-62034	A	20020307		
	WO 2003-JP2505	W	20030304		
OS	MARPAT 139:246211				
GI					



AB Gelling organic compds. having ferrocene groups, i.e. N-(ferrocenecarbonyl)glutamine and -asparagine derivs. represented by the general formula (I) (wherein R1 and R2 are each independently alkyl having two or more carbon atoms or alkyl containing at least one ether linkage; X and Y are each hydrogen or a substituent; and n is an integer of 1 or 2) are prepared Also disclosed are gels and cast films made by using the compound I. These compds. I possess gelation property against organic solvent and ionic liquid Gels consisting of the compds. I possess excellent redox characteristic and are potentially useful as (1) gel actuator materials, in particular for medical goods or instruments for microsurgery, (2) artificial muscle for micromachines such as robot or motor, and (3) materials for electrolyte layer for photoelec. transducer, or redox layer for enzyme electrode (fixed bed for enzyme fixation electrode). Cast films of the compds. I on electrode substrate are used as interlayer materials between metal electrode and ion-sensitive membrane and as thin display devices. Ionogels obtained by gelling ionic liquid with the compds. I can be used as solid electrolyte for battery. Gels of the compds. I containing photosensitizers such as ruthenium trisbipyridine complexes are possibly used as light-driven gel actuator materials. Thus, 4.3 g 3-lauryloxypropylamine was condensed with 2.0 g Boc-Glu-OH using di-Et phosphoryl cyanide and Et3N in THF for 30 min under ice-cooling then at room temperature for 3 days to give, after workup, 60.2% Boc-Glu(R)-R [R = NH(CH2)3O(CH2)11Me] which (3.4 g) was treated with CF3CO2H in CH2Cl2 at room temperature overnight and then with a mixture of acetone and 35 weight% HCl to give 40.9% H-Glu(R)-R [R = NH(CH2)3O(CH2)11Me].HCl (II). II (1.0 g) was treated with Et3N in CHCl3/H2O and then condensed with 0.40 g ferrocenecarboxylic acid using 0.44 g Bop-Cl and 0.20 g Et3N in CH2Cl2 for 30 min under ice-cooling and at room temperature for 3 days to give I [X = Y = H, n = 2, R1 = R2 = Me(CH2)11O(CH2)3] (III). A 0.5 mM methanol solution of III was casted on an ITO substrate, air-dried to form a cast film which was used as an anode against a platinum cathode and a Ag/AgCl reference electrode to exhibit good redox characteristic by cyclovoltammetry.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

